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62,19

No. 57

Season 1932-1933

TREE SEEDS

COMPLETE PRICE LIST of



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Otto Katzenstein & Co.

TREE SEED SPECIALISTS

109 Druid
Circle
N. E.
P. O. Box
259



Registered
Cable
Address
Treeseeds
Atlanta, Ga.

ATLANTA, GEORGIA, U. S. A.

OUR PAMPHLET, "HOW TO MAKE TREE SEEDS GROW," 25 CENTS A COPY. FREE ON REQUEST WITH ORDERS OVER \$1.00.

THE FOLLOWING CONDITIONS GOVERN ALL TRANSACTIONS:

THE PUBLICATION OF THIS LIST CANCELS ALL PREVIOUS QUOTATIONS.

TERMS: Cash. Thirty days net or 2% discount for cash within ten days from date of invoice to domestic book customers. We expect remittance with order or other arrangements, satisfactory to us, from our foreign customers. **PRICES ARE QUOTED AND REMITTANCES ARE EXPECTED IN U. S. MONEY.**

ALL SHIPMENTS travel at customer's risk. After having taken receipt of transportation companies we are not responsible for delays, losses or injury to shipment while in transit. Customer's redress is with transportation companies only.

PARCEL POSTAGE. Domestic rates are governed by zone tariff. Parcel postage into foreign countries is 14c per pound or fraction of pound. In addition to this a number of countries require payment of a surtax. Remittances should cover sufficient amounts for postage, etc.

NON-WARRANTY. We use the greatest care to have all our seeds, bulbs, plants, etc., pure and reliable, but they are sold without warranty and without responsibility, express or implied, in respect to the crop. All sales are made under these terms. We are under no circumstances to be held responsible beyond the invoiced value of our goods and **WE CANNOT, UNDER ANY CIRCUMSTANCES, CONSIDER ANY CLAIM AFTER THE GOODS HAVE BEEN PLANTED.** All claims must be made on receipt of goods.

This list is published before the actual extent of some crops of trees and shrub seeds, offered in it, is known and our acceptance of orders is not a warranty for delivery but is subject to crop accidents and limitations of crops. Failing to receive the full amounts ordered from our collectors and growers we reserve the right to reduce proportionately all orders which have been booked or to fill orders in rotation while the supply lasts.

The U. S. Plant Quarantine and Control Administration has now prohibited the importation of any tree seeds in their natural hull. The removal of the outer hulls has naturally effected the prices of seeds which in the past could be imported as gathered.

MEMBER American Association of Nurserymen.
Southern Nurserymen's Association
Société Dendrologique de France
Deutsche Dendrologische Gesellschaft, etc., etc.



Katzenstein's Seeds with a Reputation for Growing

**STANDARDIZED PLANT NAMES is authority
for our nomenclature**

Conifers

Half ounce and quarter pound at ounce and pound rates, respectively.
No seeds invoiced for less than 15 cents. No invoice for less than 25 cents. Quotations on large quantities given by letter.

	OZ.	LB.
ABIES		
" balsamea, Balsam F.	\$.35	\$3.40
" brachyphylla, see homolepis		
" cephalonica, Greek Fir.....	.30	2.50
" concolor, White Fir .....	.25	1.80
" concolor violacea.....	.30	2.60
" firma, Momi F.....	.25	2.10
" fraseri, Fraser F.....	.45	4.00
" grandis, Great Silver F. (very short).....	.50	4.50
" homolepis, Nikko F.....	.40	3.60
" lasiocarpa (subalpina), Alpine F.....	.55	5.00
" magnifica, Red F. (very short).....	.65	5.50
" mariesi, Maries F. ....	.40	3.50
" nordmanniana, Nordmann F.....	.30	2.50
" pectinata, European Silver F.....	.20	1.25
" pinsapo, Spanish F.....	.30	2.50
" sibirica, Siberian F.....	.35	3.00
" veitchi, Veitch F.....	.45	3.60
	100	1000
	Seeds	Seeds
ARAUCARIA bidwilli, Bunya-Bunya	8.00	
" excelsa, Norfolk-Island Pine.....		
" imbricata, Monkeypuzzle.....	1.50	12.50
	OZ.	LB.
CEDRUS atlantica, Atlas Cedar.....	.40	3.30
" atlantica argentea.....	.45	3.80
" deodara, Deodar (ask for quantity prices) short crop	.40	3.20
" libani, Cedar of Lebanon.....	.40	3.50
CEPHALOTAXUS drupacea, Japanese Plum-Yew.....	.20	1.80
CHAMAECYPARIS lawsoniana, Lawson Cypress (domestic	.65	6.00
" lawsoniana, imported.....	.30	2.60
" obtusa, Kinoki C.....	.30	2.25
" pisifera, Sawara Retinospora.....	.30	2.50
CRYPTOMERIA japonica, Common C......	.20	1.60
CUNNINGHAMIA lanceolata (sinensis) Chinese Fir.....	.40	3.60
CUPRESSUS arizonica, Arizona Cypress.....	.30	2.80
" benthami, Bentham C. ....	.40	3.50
" funebris, Mourning C.....	.40	3.50
" glabra, Smooth C.....	.30	2.80
" goveniana, Gowen C.....	.45	4.00
" lusitanica, Portuguese C.....	.45	4.00
" macrocarpa, Monterey C.....	.25	2.20
" sempervirens, Italian C. (domestic seed).....	.35	3.40
" sempervirens, Imported.....	.25	1.80
" s. fastigiata, Pyramidal I. C. (domestic).....	.40	3.60
" s. fastigiata, Imported.....	.25	1.80
" s. horizontalis, Spreading I. C. (domestic).....	.35	3.40
" s. horizontalis, Imported.....	.25	1.80
" torulosa, Bhutan C.....	.35	3.00
GINKGO biloba, Maidenhair-tree domestic) .....	.15	1.10
JUNIPERUS bermudiana, Bermuda Redcedar .....	.30	2.50
" cedrus.....	.45	4.00
" chinensis, Chinese J.....c	.30	2.50
" chinensis sargentii, Sargent J.....c	.45	4.00
" communis, Common J.....	.15	1.40
" communis canadensis, Prostrate J.....	.20	1.80
" communis montana (nana), Mountain J.....	.20	1.80
" conferta (litoralis), Shore J.....c	.65	6.00
" excelsa, Greek J.....	.35	2.50
" monosperma, Cherrystone J.....	.35	3.00
" rigida, Needle J.....c	.40	3.50
" sabina, Savin .....	.30	2.80

NOTE MATERIAL PRICE REDUCTIONS

OTTO KATZENSTEIN & CO., ATLANTA, GA., U. S. A.

		OZ.	LB.
JUNIPERUS—Contd.			
" scopulorum, Colorado J.....		.20	1.40
" scopulorum (from Montana).....		.30	2.00
" virginiana, Redcedar, Platte River type (100 lbs. \$75).....		.15	1.10
" virginiana, Southern type (100 lbs. \$70).....		.15	.95
LARIX dahurica, Dahurian Larch.....			
" europaea, European L.....		.50	4.20
" leptolepis, Japanese L.....		.25	1.80
" sibirica, Siberian L.....		.45	4.00
" sibirica, Siberian L.....		.35	2.80
" sudetica.....		.35	3.00
LIBOCEDRUS decurrens, California Incense-Cedar.....		.30	2.80
PICEA ajanensis, see jezoensis.			
" canadensis (alba), White Spruce.....		.40	3.50
" canadensis albertiana, Black Hills Spruce.....		.70	6.00
" engelmanni, Engelmann Spruce.....		.50	4.00
" excelsa, Norway Spruce (ask quantity prices).....		.20	1.70
" glehni, Sakhalin S.....		.75	7.00
" jezoensis, Yeddo S.....		.75	7.00
" koyamai, Koyamai S.....		.75	7.00
" omorika, Serbian S.....		5.00	40.00
" orientalis, Oriental S. (write us).....		1.30	11.00
" polita, Tigertails.....		.55	4.50
" pungens, Colorado S. (North Colo.).....		.50	4.00
" pungens argentea, Handpicked.....		1.00	9.00
" pungens glauca, Colorado Blue S.....		.70	6.50
" sitchensis (menziesi) Sitka S.....		.75	7.00
PINUS attenuata (tuberculata) Knobcone Pine.....			
" aristata, Bristlecone P.....		.75	7.00
" austriaca, see P. nigra.....		.50	4.00
" banksiana, Jack Pine.....		.45	4.00
" bungeana, Lacebark P.....		.40	3.20
" canariensis, Canary P.....		.30	2.50
" caribaea, Slash P.....		.55	5.00
" cembra, Swiss Stone P.....		.20	1.60
" contorta, Shore P.....		.85	8.00
" coulteri, Coulter P.....		.55	5.00
" densiflora, Japanese Red P.....		.25	2.10
" echinata (mitis), Shortleaf P.....		.70	6.50
" edulis, Nut P. (Pinyon).....		.20	1.75
" excelsa, Himalayan P.....		.35	3.20
" flexilis, Limber P.....		.35	3.20
" halepensis, Aleppo P.....		.20	1.70
" insignis, see P. radiata.....			
" jeffreyi, Jeffrey P.....		.30	2.80
" koraiensis, Korean P.....		.25	2.20
" lambertiana, Sugar P.....		.25	1.90
" laricio, Corsican P.....		.35	3.00
" larico austriaca, see P. nigra.....			
" leucodermis, Graybark P.....		.65	6.25
" maritima, see P. pinaster.....			
" massoniana, see P. densiflora.....			
" montana, Swiss Mountain Pine.....		.40	3.50
" montana mughus, Mugho P. (many-branched).....		.35	3.00
" monticola, Western White P.....		.70	6.25
" muricata, Bishop P.....		.75	7.00
" murrayana, Lodgepole P.....		.75	7.00
" nigra, Austrian P.....		.30	2.40
" palustris, Longleaf P.....		.25	2.25
" parviflora, Japanese White P.....		.40	3.60
" patula, Jelecote P. (Old Mexico).....		.85	8.00
" peuce, Macedonian P.....		.40	3.60
" pinaster (maritima), Cluster P.....		.15	1.10
" pinea, Italian Stone P.....		.15	1.10
" ponderosa, Western Yellow P. Colo.....		.25	1.80
" radiata (insignis), Monterey P.....		.45	4.00
" resinosa, Red P.....		1.25	11.00
" rigida, Pitch P.....		.85	8.00
" sabiniana, Digger P.....		.20	1.60
" strobilus, White P.....		.35	3.20
" sylvestris, Scotch P.....		.30	2.40
" sylvestris, from Scotland.....		.65	6.00
" sylvestris rigensis, Riga P.....		.55	5.00
" taeda, Loblolly Pine, Oldfield P.....		.65	5.50
" tanyosho globosa.....		1.80	15.00

PINUS—Contd.	OZ.	LB.
" teocote, (Old Mexico).....	1.20	-----
" thunbergi, Japanese Black P.....	.25	1.80
" torreyana, Torrey P.....	.50	4.60
" tuberculata, see P. attenuata.		
PODOCARPUS macrophylla Yew Podocarpus.....	.25	2.00
" sinensis, Chinese P. ....	.25	2.00
PSEUDOLARIX kaempferi (amabilis) Goldenlarch.....	.60	5.50
PSEUDOTSUGA douglasi, gray, Colorado.....	.60	5.50
" douglasi, green, Calif.....	.85	8.00
" douglasi, green West Wash-Oregon.....	.85	8.00
Ask for quantity prices—also for prices on particular strains or particular altitudes.		
SCIADOPITYS verticillata, Umbrella Pine.....	.65	5.50
SEQUOIA gigantea, Giant S. Big Tree.....	1.00	8.50
" sempervirens, Redwood.....	.50	4.50
TAXODIUM distichum, Common Baldcypress.....	.15	1.10
" mucronatum, Montezuma B.....	.85	8.00
TAXUS baccata, English Yew.....	.30	2.50
" baccata pyramidalis, Irish Yew.....	.40	3.50
" cuspidata, Japanese Y.....	.30	2.60
THUJA gigantea, see Th. plicata		
" occidentalis, American Arborvitae.....	.40	3.60
" orientalis, Oriental Av.....	.20	1.50
" orientalis aurea, Golden O. Av.....	.30	2.60
" orientalis compacta, Compact Av.....	.30	2.60
" orientalis pyramidalis, Pyramidal O. Av.....	.25	1.75
" plicata, Giant Av.....	.70	6.50
THUJOPSIS dolabrata, False-Arborvitae.....	.55	4.50
TORREYA californica, California Nutmeg.....	.35	3.20
" nucifera, Japanese Nutmeg.....	.25	2.00
TSUGA canadensis, Canada Hemlock.....	.80	7.50
" caroliniana, Caroliana H.	1.00	-----
" diversifolia, Japanese H. ....	.70	6.20
" sieboldi, Siebold H. ....	.70	6.20
WELLINGTONIA see Sequoia.		

IMPORTANT—We exercise every care to send out tree seeds true to name. We cannot extend this guarantee to the result from sowing seeds of such varieties of conifers as "aurea, compacta, glauca, pendula, pyramidalis, violacea, etc." Our collectors are careful in gathering the seeds from trees showing the peculiarities of the variety but the seedlings will often revert to the mother form and as we have no way of testing the seeds as to their producing true to variety, we send them out without any warranty that they will come true any given percentage to variety.

Trees and Shrubs

Half ounce, quarter pound, 25 lbs. at ounce, pound and hundred pound rates, respectively. No seeds invoiced for less than 15 cents. No invoice for less than 25 cents. Prices for larger quantities will be quoted by letter upon request.

We are using the following abbreviations:

"e" means evergreen, "d" means deciduous.

"t" means tree, "s" means shrub.

"v" means vine or climber.

"db" means seed in natural hull.

"c" means clean seed.

Example: "et" stands for evergreen tree.

	OZ.	LB.
dt ACACIA armata, Kangaroo Thorn.....	.70	6.50
dt " baileyana, Cootamundra Wattle.....	.55	4.80
dt " dealbata, Silver Wattle.....	.30	2.50
dt " farnesiana, Sweet Acacia.....	.30	2.40
dt " melanoxylon, Blackwood A.....	.45	3.80
dt ACANTHOPANAX sessiliflorum .....	.60	5.50
dt " spinosum .....	.40	3.50
dt ACER campestre, Hedge Maple (Spring).....	.15	1.00
dt " dasy carpum, Silver M. (May) order early.....	-----	-----
dt " ginnala, Amur M.....	.25	2.00

ACER—Contd.		OZ.	LB.
dt	" mono, Small-leaf Chinese M.....	.20	1.60
dt	" negundo, Boxelder.....	.15	.60
dt	" palmatum (polymorphum), Japanese M. Large seeded	.35	3.20
dt	" palmatum (polymorphum), small seeded.....	.45	4.00
dt	" palmatum atropurpureum, Bloodleaf M.....	.85	7.50
dt	" palmatum atropurpureum, 60% true.....	1.40	12.00
dt	" palmatum atropurpureum dissectum, Cutleaf Blood M.	3.00	-----
dt	" pennsylvanicum (striatum), Striped M.....	.30	2.50
dt	" platanoides, Norway M.....	.15	.90
dt	" platanoides schwedleri, Schwedler M. ....	.20	1.60
dt	" pseudoplatanus, Sycamore M. ....	.15	.90
dt	" rubrum, Red M. (May) Order early		
dt	" saccharum, Sugar M.....	.15	.90
dt	" spicatum, Mountain M.....	.30	2.80
dv	ACTINIDIA arguta, Bower A.	1.00	8.00
dv	ACTINIDIA polygama, Silvervine .....c	.70	6.00
dt	ADENANTHERA pavonina, Red Sandalwood .....c	.40	3.20
dt	AESCULUS californica, California Buckeye.....	.15	.85
dt	" glabra, Ohio B.....	.15	.45
dt	" hippocastanum, Horsechestnut.....	.15	.45
dt	" octandra (flava) Yellow B.....	.15	.60
dt	AILANTHUS glandulosa, Tree-of-Heaven.....	.15	1.20
dv	AKEBIA lobata, Threeleaf A.....	.35	3.00
dv	" quinata, Fiveleaf A.....	.30	2.80
dt	ALBIZZIA julibrissin, Silk tree.....	.20	1.60
dt	" lebeck, Lebbek.....	.35	3.00
dt	" lophantha (Acacia l.) Plume Acacia.....	.20	1.60
dt	ALEURITES cordata, Kiri-Oil tree.....	.30	2.50
dt	" fordii, Tung-Oil tree (ask for quantity prices).....	.15	.70
dt	" moluccana, Candlenut.....	.25	2.00
dt	ALNUS glutinosa, European A.....	.15	1.10
dt	" incana, Speckled A.....	.20	1.25
ALTHAEA, see Hibiscus.			
ds	AMELANCHIER		
ds	" canadensis (botryapium), Downy Shadblow.....dt	.25	3.20
ds	" laevis, Alleghany S.....dh	.35	3.20
ds	AMORPHA fruticosa, Indigobush.....	.15	1.10
dv	AMPELOPSIS quinquefolia, Va. Creeper.....dt	.20	1.60
dv	" tricuspidata (veitchii), Boston Ivy.....dt	.15	1.10
dv	" tricuspidata imported .....c	.25	2.00
dt	AMYGDALUS communis, Almond.....	.15	.80
dt	" davidiana, Chinese Wild Peach (stock).....	.15	1.20
dt	" persica, Natural Peach see Fruit seeds.....	.15	.70
ANDROMEDA, see Leucothoe, Oxydendrum, Pieris.			
ds	ARALIA cordata, Udo.....	.40	3.50
ds	" spinosa, Devils Walking-stick.....	.30	2.60
dt	ARBUTUS menziesii, Madrone.....	.30	2.60
dt	" unedo, Strawberry-tree.....	.25	2.40
es	ARDISIA crenulata, Coral Ardisia.....	.35	3.20
es	" japonica, Japanese A.....	.35	3.20
dv	ARISTOLOCHIA siphon, Dutchman's Pipe.....		
dv	" tomentosa, Pipevine.....	.35	3.00
ARONIA, Chokeberry, see also Sorbus			
ds	" arbutifolia, Red Chokeberry.....	.15	1.00
ds	" melanocarpa, Black Chokeberry.....	.20	1.80
dt	ASIMINA triloba, Papaw .....c	.15	1.20
es	AUCUBA japonica, Japanese (green) A.....	.25	1.80
es	" japonica aureo-maculata, Variegated A.....	.45	4.00
AZALEA, Azalea, see also Rhododendron.			
ds	" arborescens, Sweet A. ....db	.45	4.50
ds	" calendulacea (lutea), Flame A.....db	.35	3.00
es	" hinodegiri, Hinodegiri A.....c	1.25	3.60
es	" indica, Indica Azalea.....	6.00	-----
es	" japonica, Japanese A.....c	1.50	4.00
ds	" kaempferi, Torch A.....c	1.20	3.20
ds	" kurume, Kurume A. ....c	1.20	4.00
ds	" mollis, Chinese A.....	.40	1.20
ds	" nudiflora, Pinxterflower.....	.40	3.20
ds	" poukhanensis, Korean A.....	1.20	3.25
ds	" schlippenbachii, Royal A.....	.90	2.60
ds	" vaseyi, Pinkshell A.....db	.65	7.50

		OZ.	LB.
es	BAUHINIA monandra, St. Thomas tree.....	1.50	
es	" purpurea, Purple B.....	1.00	
ds	BENZONIN aestivale (Laurus benzoin), Spicebush.....	.15	1.20
	BERBERIS, see also Mahonia.		
es	" atropurpurea, Blackfruited B.....db	.65	5.50
es	" darwini, Darwin B.....	.50	4.50
es	" pruinosa.....db	.65	5.50
ds	" thunbergi, Thunberg B. (domestic).....c	.50	4.80
ds	" thunbergi.....db	.25	1.80
dt	BETULA alba, European White Birch.....	.15	.90
dt	" lenta, Sweet B.....	.25	2.00
dt	" lutea (excelsa), Yellow B.....	.25	2.00
dt	" nigra, River B. (Spring 1932).....	.25	2.40
dt	" papyrifera, Canoe B.....	.25	2.10
dt	" populifolia, Gray B.....	.20	1.75
dv	BIGNONIA radicans, Trumpet creeper.....	.30	2.40
et	BUXUS japonica (microphylla) Japanese Box.....	.65	6.00
et	" sempervirens, Common B.....	.25	2.10
ds	CALLICARPA americana, American Beautyberry.....	.20	1.40
ds	" japonica, Japanese B.....c	.90	7.50
ds	CALYCANTHUS floridus (laevigatus) Sweetshrub.....	.20	1.50
ds	" occidentalis, Western S.....	.35	3.00
ds	" praecox, see under Meratia.		
es	CAMELLIA japonica, Common C.....	.20	1.60
es	" sasanqua, Sasanqua C.....	.20	1.80
	" theifera, see Thea sinensis.		
	CAMPHORA, see Cinnamomum.		
ds	CARAGANA arborescens, Siberian Pea-tree.....	.20	1.50
es	CARPENTERIA californica, Carpenteria..... $\frac{1}{4}$ -oz. \$1.60	4.60	
dt	CARPINUS betulus, European Hornbeam.....	.15	.90
dt	" caroliniana, American Hornbeam.....	.15	1.20
	CARYA, see Hicoria.		
dt	CASTANEA dentata, American Chestnut (Oct-Nov. only).....	.15	.70
dt	" japonica, Japanese Ch.....	.15	1.00
dt	" mollissima, Hairy Chinese Ch.....	.15	1.00
dt	CASUARINA cunninghamiana, Cunningham Beefwood.....	.75	7.00
dt	" equisetifolia, Australian Pine.....	.75	7.00
dt	" stricta (quadrivalvis), Longwood Beefwood.....	1.80	
dt	CATALPA speciosa, True Wild Western C.....	.20	1.30
dt	" speciosa, cultivated Catalpa.....	.15	1.00
ds	CEANOTHUS americanus, Jersey-tea.....dt	.15	.90
dt	CEDRELA sinensis, Chinese C.....	.70	6.50
dv	CELASTRUS orbiculatus, Oriental Bittersweet.....c	.40	3.50
dv	" scandens, American B.....	.25	2.00
dt	CELTIS mississippiensis, Sugarberry.....	.15	.90
dt	" occidentalis, Hackberry.....	.25	1.90
dt	" tourneforti, Oriental H.....	.15	.90
ds	CEPHALANTHUS occidentalis, Common Buttonbush.....	.15	.90
et	CERATONIA siliqua, Carob.....	.35	3.20
dt	CERCIDIPHYLLUM japonicum, Katsura-tree.....	.75	6.50
dt	CERCIS canadensis, American Redbud.....	.20	1.50
dt	" occidentalis, California R.....	.30	2.60
dt	" siliquastrum, Judas-tree.....	.20	1.60
dt	" sinensis, Chinese H.....	.40	4.50
ds	CHIONANTHUS virginica, White Fringe.....	.25	1.80
et	CINNAMOMUM camphora, Camphor-tree.....	.15	1.00
et	CITRUS trifoliata, Hardy Orange.....	.25	2.00
et	" aurantium, Sour Orange.....	.85	7.00
dt	CLADRASTIS lutea (tinctoria), Yellow-wood.....	.30	2.50
dv	CLEMATIS paniculata, Sweet Autumn C.....	.35	3.20
ds	CLERODENDRON trichotomum, Harlequin Glorybower.....	.35	3.20
ds	CLETHRA alnifolia, Summersweet.....	.15	1.00
dv	COBAEA scandens, Purplebell Cobaea.....	.85	7.00
ds	COLUTEA arborescens, Common Bladder-Senna.....	.15	1.40
	CORDYLINE (Dracaena), see under Palm seeds.		
ds	CORNUS alba, Tatarian Dogwood.....	.35	3.20
ds	" alternifolia, Pagoda D.....	.25	1.80
ds	" amomum (sericea), Silky D.....	.15	1.10
	" candidissima, see paniculata.		
dt	" florida, Flowering D. (\$40 for 100 lbs.).....	.15	.60
ds	" kousa, Kousa D.....	.40	3.00
dt	" mas, Cornelian-Cherry.....	.15	1.00
ds	" nuttallii, Pacific D.....	.15	1.40
ds	" paniculata, Gray D.....	.15	1.40
ds	" sanguinea, Bloodtwig.....c	.20	1.75
ds	" stolonifera, Red-Osier D.....	.15	1.40

OTTO KATZENSTEIN & CO., ATLANTA, GA., U. S. A.

		OZ.	LB.
dt	CORONILLA emerus, Scorpion-Senna .....	.35	2.80
ds	CORYLUS americana, American Hazelnut.....	.15	.70
ds	" avellana, Filbert.....	.15	.80
ds	COTONEASTER acutifolia, Pekin C.....db	.20	1.40
ds	" divaricata, Spreading C.....	.40	3.50
ds	" francheti, Franchet C. ....	.40	8.50
es	" horizontalis, Rock C.....	.45	4.00
es	" microphylla, Rockspray.....	.45	4.00
ds	" pannosa, Silverleaf C. ....	.40	3.50
ds	CRATAEGUS		
dt	" coccinea, Thicket H. ....db	.15	.90
dt	" cordata, Washington H.....	.15	1.40
ds	" crugalli, Cockspur H.....	.15	1.00
ds	" mollis, Downy H.....	.15	1.25
ds	" monogyna, English H. ....c	.15	1.25
ds	" oxyacantha, English H. ....c	.15	1.40
	" pyracantha, see Pyracantha coccinea.		
ds	CYDONIA japonica, Flowering Quince, domestic.....c	.50	4.00
ds	" japonica, imported .....	.40	3.60
ds	" oblonga (vulgaris), Common Q.....	.45	4.00
ds	CYRILLA racemiflora, Leatherwood.....db	.20	1.25
	CYTISUS, see also Laburnum.		
ds	" scoparius, Scotch Broom.....	.20	1.50
ds	DAPHNE mezereum, February Daphne.....c	.60	5.00
dt	DIOSPYROS kaki, Kaki Persimmon.....	.25	1.80
dt	" lotus, Dateplum.....	.20	1.40
dt	" virginiana, Common P. ....	.15	.60
	DRACAENA, see Palm seeds.		
ds	EDGEWORTHIA chrysantha, Golden Papertree.....	.40	3.50
ds	ELAEAGNUS angustifolia, Russian-Olive.....	.15	.90
ds	" argentea, Silverberry.....	.20	1.60
ds	" longipes (edulis) Cherry E.....	.30	2.60
ds	" umbellata, Autumn E. (domestic).....c	.25	2.10
dt	ENKIANTHUS campanulatus, Redvein E.....	.90	8.00
et	ERIOBOTRYA japonica, Loquat.....	.30	2.50
et	EUCALYPTUS		
et	" corynocalyx, Sugar Gum.....	1.00	8.50
et	" globulus, Blue Gum.....	.90	7.50
et	" leucoxylon, White Ironbark	1.00	9.00
et	" punctata, Leatherjack.....	.90	8.00
et	" resinifera, Mahogany Gum.....	.80	7.00
et	" robusta, Brown Gum.....	.50	4.50
et	" rostrata, Greek Gum.....	.50	4.50
et	" rudis, Desert Gum.....	.90	8.00
et	" tereticornis, Slated Gum.....	.90	8.00
et	" viminalis, Manna Gum.....	.85	7.50
es	EUGENIA uniflora, Surinam Cherry	1.80	
es	EUONYMUS alatus, Winged E.....	.30	2.60
ds	" americanus, Brook E.....	.20	1.60
ds	" atropurpureus, Wahoo.....	.20	1.70
ds	" europaeus, European Burningbush.....	.25	2.00
es	" japonicus, Evergreen E.....	.35	3.00
ev	" radicans, Wintercreeper.....	.35	3.25
ds	EXOCHORDA grandiflora, Common Pearl bush.....	.30	2.60
dt	FAGUS americana, American Beech.....	.15	1.20
dt	" sylvatica, European B.....	.15	1.20
dt	" sylvatica purpurea, Purple B.....	.35	3.00
	FICUS see under Tropical Seeds.		
es	FATSIA (Aralia) japonica .....	.50	4.00
dt	FRAXINUS americana, White Ash.....	.15	1.20
dt	" excelsior, European Ash.....	.15	1.00
dt	" lanceolata (viridis), Green Ash.....	.15	.70
dt	" ornus, Flowering Ash.....	.15	1.00
dt	" velutina (arizonica) Arizona Ash.....	.15	1.40
ds	FREMONTIA californica, Fremontia.....1/4-Oz. \$1.00	3.20	
ds	" mexicana extra fine	1.65	12.50
es	GARDENIA florida, Cape-Jasmine.....c	.50	4.60
es	GAULTHERIA procumbens, Wintergreen.....db	.50	4.50
	GENISTA, see under Cytisus.		
	GINKGO, see under Conifers.		
dt	GLEDITSIA triacanthos, Honeylocust .....	.15	.90
dt	" triacanthos inermis, Thornless H.....	.20	1.60
dt	" sinensis, Chinese Honeylocust .....	.20	1.90
et	GORDONIA lasianthus, Loblolly-Bay .....	.25	1.80
et	GREVILLEA robusta, Silk-Oak.....	1.00	9.00
dt	GYMNOCLADUS dioica, Kentucky Coffeetree.....	.15	1.20
dt	HALESIA tetraptera, Great Silverbell.....	.15	1.10

		OZ.	LB.
ds	HAMAMELIS japonica, Japanese Witch-hazel.....	.65	6.00
ds	" virginiana, Common W.....	.20	1.60
es	HESPEROYUCCA whipplei (Yucca wh.) Chaparral Yucca .....	.45	4.00
	HETEROMELES, see under Photinia.		
ds	HIBISCUS syriacus, Shrub-Althea .....	.15	1.20
		10	100
		Lb.	Lbs.
dt	HICORIA alba (Carya tomentosa) Mockernut.....	.35	2.40
dt	" cordiformis (C. amara) Bitternut.....	.35	2.40
dt	" glabra (C. porcina) Pignut.....	.35	2.40
dt	" laciniosa (C. sulcata) Shellbark H.....	.40	2.50
dt	" minima, see H. cordiformis.		
dt	" ovata (C. alba) Shagbark H.....	.35	2.40
dt	" pecan (C. olivaeformis) Pecan.....	.65	6.00
			50.00
		OZ.	LB.
ds	HIPPOPHAE rhamnoides, Common Sea-Buckthorn.....	.25	2.10
dt	HOVENIA dulcis, Raisintree.....	.40	3.50
ds	HYDRANGEA paniculata, Panicle H.....	.45	4.00
dv	" petiolaris (scandens) Climbing H. ....	.90	7.50
et	ILEX aquifolium, English Holly.....	.25	2.00
es	" cassine (dahoon), Dahoon.....	.20	1.70
es	" cornuta, Chinese H.....	.45	4.20
es	" crenata, Japanese H.....	.35	3.00
es	" glabra, Inkberry.....	.15	.80
es	" integra, Japanese H.....	.35	3.00
et	" opaca, American H.....	.15	.70
et	" opaca .....	.25	2.40
ds	" sieboldi, Siebold H.....	.90	7.50
ds	" verticillata, Common Winterberry.....	.15	1.00
ds	" verticillata .....	.25	2.40
es	" vomitoria, Yawpon.....	.20	1.70
et	ILLICIUM anisatum, Japanese Anisetree.....	.40	3.50
dt	JACARANDA ovalifolia (mimosaeifolia) Green-Ebony c	.85	.....
		10	100
		Lb.	Lbs.
dt	JUGLANS californica, California Walnut.....	.60	5.50
dt	" cinerea, Butternut.....	.20	1.80
	" cordiformis, see sieboldiana cordiformis.		
dt	" hindsii, Hinds W.....	.75	7.00
dt	" nigra, Black W.....	.20	1.60
dt	" regia (China) Persian English W.....	1.20	10.50
dt	" sieboldiana, Japanese W.....	.65	6.25
dt	" sieboldiana cordiformis, Flat W.....	.60	5.75
			55.00
		OZ.	LB.
es	KALMIA latifolia, Mountain-Laurel .....	.20	1.50
dt	KOELREUTERIA paniculata, Goldenrain-tree.....	.15	1.25
dt	LABURNUM alpinum, Scotch L. ....	.30	2.60
ds	" vulgare, Goldenchain .....	.15	1.40
ds	LAGERSTROEMIA indica, Common Crapemyrtle.....	.25	2.25
et	LAUROCERASUS caroliniana, Cherry-laurel.....	.15	.90
et	" lusitanica, Portugal-Laurel .....	.20	1.60
et	" officinalis (P. laurocerasus), English C.-L.....	.20	1.40
	LAURUS, see also Benzoin, Laurocerasus.		
et	" nobilis, Grecian Laurel.....	.20	1.80
	LAURUSTINUS, see under Viburnum tinus.		
es	LEUCOTHOE catesbaei, Drooping Laurel.....	.20	1.75
ds	LIGUSTRUM amurense, Amur Privet South.....	.15	.60
es	" ibota, Ibota P.....	.15	.70
es	" japonicum, Japanese P.....	.15	.90
es	" lucidum, Glossy P.....	.15	1.10
es	" nepalense, Nepal P.....	.20	1.40
	LINDERA, see Benzoin.		
dt	LIQUIDAMBAR styraciflua, Sweetgum.....	.30	2.40
dt	LIRIODENDRON tulipifera, Yellow Poplar Tuliptree.....	.15	.80
ds	LONICERA tatarica, Tatarian Honeysuckle.....	.50	4.60
ds	" xylostium, European Fly H.....	.45	4.00
dt	MACLURA pomifera (aurantiaca) Osage-Orange.....	.20	1.60
dt	MAGNOLIA acuminata, Cucumbertree.....	.25	2.00
dt	" conspicua, Yulan .....	.45	4.00
et	" glauca, Sweetbay.....	.20	1.60
et	" grandiflora, Southern M.....	.15	1.20
dt	" hypoleuca, Silver M. ....	.45	4.20
dt	" kobus, Kobus M.....	.40	3.50
dt	" soulangeana, Saucer M.	1.00	8.00
dt	" tripetala, Umbrella M.....	.25	2.00

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		OZ.	LB.	
	MAHONIA—See also Berberis.			
es	" aquifolium (imported).....c	.30	2.40	
es	" bealei (japonica) Leatherleaf H.....c	.90	8.00	
es	" nervosa, Longleaf H.....	.60	5.50	
	MALUS, see under Fruit Seeds.			
dt	MELIA azedarach, Chinaberry.....	.15	.50	
dt	" azedarach umbraculiformis, Texas Umbrellatree.....	.15	.60	
ds	MERATIA praecox (Calycanthus p.) Wintersweet.....	.40	3.60	
dt	MORUS alba, White Mulberry.....	.30	2.50	
dt	" alba tatarica, Russian M.....	.30	2.50	
ds	MYRICA carolinensis, Northern Bayberry.....	.20	1.80	
ds	" cerifera, Southern B.....	.20	1.80	
et	MYRTUS communis, true Myrtle.....db	.20	1.50	
dt	NANDINA domestica, domestic seed.....db	.25	2.00	
dt	" domestica, imported seed.....c	.35	3.00	
	NEGUNDO, see Acer negundo.			
dt	NYSSA aquatica, Big Tupelo.....	.15	1.40	
dt	" biflora, Swamp Blackgum.....	.15	1.20	
dt	" sylvatica, (multiflora) Tupelo Blackgum.....	.15	1.40	
et	OLEA europaea, Olive.....	.20	1.60	
	ORANGE, see under Citrus.			
dt	OSTRYA virginiana, American Hophornbeam.....	.35	3.00	
ds	OXYDENDRUM arboreum, Sourwood.....db	.15	.85	
ds	PAEONIA suffruticosa (moutan) Tree P.....	.70	6.50	
ds	" suffruticosa, Selected.....	1.25	11.00	
dt	PAULOWNIA tomentosa (imperialis), Princess tree.....	.25	2.25	
dt	PHELLODENDRON amurense, Amur Corktree.....	.35	3.20	
dt	PHYLLOCARPUS septentrionalis, Monkeyflower tree.....	.70	6.50	
et	PHOTINIA arbutifolia (Heteromeles), Christmasberry.....	.25	2.00	
es	" glabra, Japanese P.....c	.50	4.20	
es	" serrulata, Low P.....c	.45	4.00	
es	" villosa, Hairy P.....c	.40	3.50	
es	PIERIS floribunda, Mountain Andromeda.....c	1.00	8.50	
es	" floribunda, Mountain Andromeda.....db	.25	2.25	
es	" japonica, Japanese Andromeda.....c	1.00	8.50	
ds	" mariana, Staggerbush.....db	.20	1.80	
dt	PISTACIA atlantica, Mount Atlas Pistache.....	.20	1.40	
dt	" chinensis, Chinese Pistache.....	.20	1.60	
es	PITTOSPORUM tobira, Tobira.....c	.40	3.50	
dt	PLATANUS occidentalis, American Planetree.....	.15	.80	
dt	" orientalis, European P.....	.15	1.10	
dt	" racemosa, California P.....	.25	2.00	
dt	POINCIANA regia, Royal Poinciana.....	.30	2.80	
	PONCIRUS, see Citrus.			
dt	POPULUS deltoides, Southern Cottonwood.....	.15	1.40	
dt	PRUNUS americana, American Plum.....	.15	1.40	
dt	" avgestifolia, Chickasaw Plum.....	.15	.90	
dt	" avium, Mazzard Cherry, See Fruit Seeds.....c	.15	1.00	
	" caroliniana, see Lauracerasus c.			
	" davidiana, see Amygdalus d.			
et	" ilicifolia, Hollywood Cherry.....	.20	1.50	
	" laurocerasus, see Laurocerasus officinalis.			
et	" lyoni (integrifolia), Catalina Cherry.....	.20	1.60	
dt	" mume, Japan Apricot.....	.25	1.90	
dt	" mahaleb, Mahaleb Cherry, see Fruit Seeds.....	.20	1.50	
dt	" myrabolana, Myrabolan Plum, see Fruit seeds.....	.15	1.20	
dt	" salasi (entirely new introduction).....	.40	3.25	
dt	" serotina, Black Cherry.....	.15	.90	
dt	" virginiana, Common Chokeberry.....	.15	.90	
dt	PTELEA trifoliata, Common Hoptree.....	.15	1.20	
dv	PUERARIA thunbergiana, Kudzu-Bean.....	.20	1.80	
es	PYRACANTHA coccinea, Scarlet Firethorn.....	.15	1.25	
es	" coccinea lalandi, Laland F.....	.20	1.60	
es	" coccinea yunnanensis, Yunnan F.....	.25	1.80	
	PYRUS, see Aronia, Cydonia, Sorbus, Fruit Seeds.			
		1 lb	10 lbs	100 lbs
et	QUERCUS acuta, Japanese Evergreen Oak.....	1.60	14.00
et	" agrifolia, California Live Oak.....	1.00	9.00
dt	" alba, White O. (November only).....	.40	3.00	14.00
dt	" coccinea, Scarlet O.....	.50	4.20	26.00
dt	" falcata (digitata) Southern Red O.....	.50	4.20	22.00
et	" ilex, Holly P.....	1.40	12.00
dt	" laurifolia, Laurel O.....	.50	4.20	24.00
dt	" lyrata, Overcup O.....	.50	4.20	20.00
dt	" macrocarpa, Overcup Oak.....	.50	4.20	26.00
dt	" marilandica, Blackjack P.....	.40	3.00	16.00
et	" nigra (aquatica), Water O.....	.50	4.20	22.00

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QUERCUS (Cont'd)		1 lb	10 lbs	100 lbs
dt	" obtusiloba, see Qu. stellata.			
dt	" palustris, Pin O.	.50	4.40	28.00
dt	" phellos, Willow O.	.50	4.20	26.00
dt	" prinus, Chestnut O. (November only)	.50	4.20	20.00
dt	" rubra, Common Red O.	.40	3.80	17.00
dt	" stellata, Post O.	.50	4.20	23.00
et	" suber, Cork O.	1.40	12.00	
dt	" velutina (tinctoria), Black O.	.50	4.20	22.00
et	" virginiana, Live O.	.70	6.00	48.00
			OZ.	LB.
ds	RHAMNUS alaternus, Italian Buckthorn	c	.15	1.40
ds	" caroliniana, Carolina Buckthorn		.20	1.60
ds	" cathartica, Common B.		.25	2.00
ds	" frangula, Glossy B.		.20	1.80
dt	" purshiana, Cascara B.		.30	2.80
es	RAPHIOLEPIS indica, India, India-Hawthorn		.25	2.20
es	" umbellata (japonica) Yeddo H.		.35	3.00
es	RHODODENDRON californicum, Coast Rh.	c	2.20	
es	" carolinianum, Carolina Rh.	db	.40	3.50
es	" carolinianum	c	1.40	11.50
es	" catawbiense, Catawba Rh.	db	.40	3.50
es	" catawbiense	c	1.00	9.00
es	" catawbiense compactum	db	.40	3.80
es	" catawbiense compactum	c	1.00	9.00
es	" keiskei, Keiskei Rh. ¼-oz. \$2.50		7.50	
es	" maximum, Rosebay Rh.	db	.35	3.50
es	" maximum	c	.80	7.50
es	" metternichi, Leatherleaf Rh.	c	2.25	20.00
es	" ponticum, Pontic R.	c	2.25	
ds	RHODOTYPOS kerrioides, Jetbead		.25	2.40
ds	RHUS canadensis (aromatica) Fragrant Sumach		.15	1.40
ds	" copallina, Shining S.		.15	.80
dt	" cotinus, Common Smoketree, Purple Fringe	c	.30	2.60
ds	" glabra, Smooth S.	db	.15	.80
ds	" typhina, Staghorn S.	db	.15	.90
dt	ROBINIA pseudacacia, Blacklocust		.15	1.00
ds	ROMNEYA coulteri, Canyon-Popy		2.00	18.00
ds	ROSA blanda, Meadow Rose	db	.50	1.40
ds	" canina, Dogbrier	c	.15	.80
	" carolina, see R. palustris.			
ds	" humilis, Pasture R.	db	.20	1.50
dt	" laxa (froebeli) (stocks)	c	.15	1.20
ds	" lucida, Virginia R.	db	.20	1.40
ds	" multiflora, Japanese R. (stocks)	c	.25	2.00
ds	" nitida, Bristly R.	db	.20	1.50
ds	" palustris, Swamp R.	db	.20	1.50
ds	" rubiginosa, Sweetbrier	db	.25	2.20
ds	" rubrifolia, Redleaf R.	db	.25	2.00
ds	" rugosa, Rugosa Rose	db	.25	2.00
ds	" rugosa	c	.30	2.50
ds	" setigera, Prairie R.	db	.15	1.25
ds	" wichuraiana, Wichurian R.		.25	2.00
SALISBURIA, see under Ginkgo (Conifers).				
ds	SAMBUCUS canadensis, American Elder	db	.15	1.20
ds	" nigra, European E.	c	.25	2.00
ds	" racemosa, European Red E.	db	.30	2.60
dt	SAPIUM sebiferum, Chinese Tallow-tree		.25	2.20
dt	SASSAFRAS variifolium, Common S.		.15	1.20
dt	SCHINUS molle, California Peppertree		.20	1.60
dt	" therebinthifolium, Brazilian P.		.30	2.50
es	SKIMMIA japonica, Japanese Skimmia	c	.55	5.00
dt	SOPHORA japonica, Chinese Scholartree		.20	1.30
dt	SORBUS americana, American Mountain-Ash	db	.15	.90
	" arbutifolia, see Aronia.			
dt	" aucuparia, European M.	db	.15	1.40
dt	" aucuparia	c	.30	2.50
SPARTIUM, see also under Cytisus.				
ds	" junceum, Weaversbroom		.20	1.60
dt	SPATHODEA campanulata, Fountain tree, ¼-oz. \$1.50		4.50	
ds	STAPHYLEA pinnata, European Bladdernut		.20	1.80
ds	" trifolia, American B.		.30	2.40
dt	STERCULIA platanifolia, Chinese Parasol-tree		.25	2.00
ds	STEWARTIA pentagyna, Mountain Stewartia		.65	6.00
ds	" pseudocamellia, Japanese Ash		.65	5.50
STILLINGIA, see under Sapium.				
ds	STYRAX americana, American Snowbell		.20	1.60
ds	" japonica, Japanese S.		.25	2.00
ds	" obassia, Fragrant S.		.35	3.00

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	OZ.	LB.
et SWIETENIA mahogany, True Mahogany.....	.70	6.50
ds SYMPHORICARPOS racemosus, Common Snowberry....	.30	2.50
ds " vulgaris, Snowberry .....	.20	1.60
ds SYRINGA japonica, Japanese Tree Lilac.....c	1.00	8.50
ds " josikaca, Hungarian L.....	.55	4.80
ds " villosa, Late L. ....db	.20	1.75
ds " vulgaris, Common L.....db	.20	1.50
ds " vulgaris .....	.35	3.00
ds " vulgaris alba, White Flowering L.....c	.50	4.80
TECOMA, see also under Bignonia.		
dv " stans, Florida Trumpetbush.....	3.50	.....
es THEA sinensis, Tea.....	.20	1.60
es " bohea, Bohea Tea.....	.25	2.00
dt TILIA americana, American Linden.....	.20	1.60
dt " cordata, Littleleaf (Winter) Linden.....	.15	1.25
dt " platyphyllos, Bigleaf (Summer) L.....	.15	1.25
dt " tomentosa, (argentea), Silver L.....	.20	1.40
dt " vulgaris, Common European L.....	.15	1.25
dt ULMUS americana, American Elm (May).....	.15	1.20
dt " parvifolia, Chinese Elm (December).....	.45	4.00
dt " pumila, Siberian Elm, domestic (May).....	.65	5.50
dt " pumila, imported (July).....c	.40	3.50
ds VIBURNUM acerifolium, Mapleleaf V.....db	.20	1.60
ds " alnifolium, Hobblebush, (V. lantanoides).....db	.20	1.60
ds " americanum, American Cranberrybush.....db	.20	1.60
ds " carlesii, Fragrant V.....	.60	5.00
ds " cassinoides, Witherod.....db	.15	1.20
ds " dentatum, Arrowwood.....db	.15	1.20
ds " dilatatum, Linden V.....c	.30	2.60
ds " lantana, Wayfaring-tree.....db	.20	1.80
ds " lantana.....c	.25	2.00
dt " lentago, Nannyberry.....	.15	1.20
ds " nudum, Smooth Witherod.....db	.15	1.00
es " odoratissimum, Sweet V.....c	.40	3.80
ds " opulus, European Cranberrybush.....db	.25	2.40
ds " opulus.....c	.30	2.80
" oxycoccos, see V. americanum.		
ds " prunifolium, Blackhaw.....	.15	1.25
ds " rhytidophyllum, Leatherleaf V. ....db	.30	2.60
dt " sieboldi, Siebold V.....	.35	3.25
es " tinus, Laurustinus .....	.20	1.60
ds " tomentosum, Japanese Snowball .....	.40	3.50
ds " wrightii, Wright V. ....c	.45	4.00
VIRGILIA, see Cladrastis.		
ds VITEX agnus-castus, Lilac Chaste-tree .....	.15	1.20
dv VITIS aestivalis, Summer Grape.....c	.30	2.60
dv " berlandieri, Winter Grape .....	.30	2.60
dv " candicans, Mustang G.....c	.30	2.60
dv " coignetiae, Gloryvine.....c	.25	2.25
ds " cordifolia, Frost G.....c	.25	2.25
dv " labrusca, Fox G.....c	.35	3.00
dv " rotundifolia, Muscadine G.....c	.35	3.00
dv WISTERIA frutescens magnifica, American W.....	.35	3.00
dv " multijuga, Longcluster W. blue.....	.40	3.80
dv " multijuga alba, White Longcluster W.....	.50	4.50
dv " sinensis, Blue Chinese W. ....	.20	1.60
dv " sinensis alba, White W.....	.40	3.40
es YUCCA baccata, Banana Y. ....	.55	5.00
es " brevifolia, Shortleaf Y. ....	.55	5.00
es " filamentosa, Common Y. Beargrass.....	.30	2.40
es " glauca (angustifolia) Soapweed Y. ....	.25	2.20
es " gloriosa, Moundlily Y.....	.40	3.50
" whipplei, see Hesperoyucca		
dt ZANTHOXYLUM americanum, Common Prickly-Ash....	.35	3.00
dt ZELKOVA serrata, Sawleaf Z.....	.30	2.80
dt ZIZYPHUS jujuba, Common Jujube.....	.25	2.25

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ULMUS PUMILA

Chinese or Siberian Elm

Tree growing from 40 to 50 feet tall with a trunk 4 to 8 feet in girth. The bark is rough and deeply corrugated. The branches are spreading and ascending, forming a bushy crown. Under cultivation it grows rapidly and makes a neat shapely tree. Leaves ovate to ovate-lanceolate 3 to 12 cm long, acute at the apex, nearly equal at the base, thin, dark-green above, pubescent when young, underneath, regularly and simply or doubly toothed. Flowers short-stalked, in crowded clusters, 4 to 5 parted with yellow anthers, appearing in spring. Fruit obovoid, notched deeply at the apex; nutlet central, reaching close to the base of the notch. Fruit ripens often soon after leaves are open.

NOTES:

This species is commonly used by the Chinese in the alluvial plains, for village trees, and for planting between fields, particularly along irrigation ditches. The trees grow rapidly and attain diameters at breast-height of 20 inches. The wood is much used for furniture, some for building construction and for the construction of cart-frames and cart-beds. It is used as a grave-tree planted in groves and attaining quite good form in altitudes of 4,500 feet. Apparently few other trees thrive there. It is also noted as planted along dry roadsides where it is cut back almost every year for fuel. It then takes on a characteristic shrubby form which may confuse its identity with the tree. It will stand quite dry conditions but requires a deep pervious soil for a good development of its roots.

Domestic Seed (ready May-June) from Northwest—

65c per oz., \$5.50 per lb.

Imported seed (ready in July) from North China—

40c per oz., \$3.50 per lb.

ULMUS PARVIFOLIA

Chinese Elm

Tree, rarely up to 75 feet with a trunk $4\frac{1}{2}$ to 7 feet in girth. Bark is gray, smooth. On old trees it peels off in roundish patches, showing the brown inner bark. On young trees it is merely scaly. Branches are numerous and slender and form a rather broad, rounded crown. *It grows often slowly.* Leaves rather leathery, ovate to obovate or oblong, acute or somewhat obtuse, slightly oblique at the base; simply serrate, shiny green, glabrous above, pubescent beneath, when young; usually glabrous at maturity, 2 to 5cm long. Petiole is very short. It flowers in September and fruit ripens in October or November. Flowers clustered, fruit oval to elliptic, emarginate at apex with nutlet in the centre of the wing, 9-13 mm. long.

NOTES:

A much more beautiful and graceful tree, particularly for ornamental purposes, than *Ulmus pumila*. The branches are long and graceful with a drooping effect at the ends which make the perfect vase form used as a descriptive term for elms. The branches are thin and long and swing in the wind very gracefully. The foliage has a lacy and fine textured appearance. It requires a deep soil, thriving best in a alluvium or loess, where root development to considerable depth is rendered possible. It is a slow grower.

Ready in December. 45c per oz., \$4.00 per lb.

Fruit Seeds

	oz.	1 lb.	10 lbs.	100 lbs.
ALMOND .....	.15	.80	7.00	65.00
APPLE, French Crab.....	.20	1.30	12.00	95.00
" Austrian .....	.15	1.20	11.00	100.00
" German, from Wild Seedlings.....	.20	1.40	13.00	120.00
APRICOT, Russian .....	.15	.40	3.20	22.50
AVOCADO (<i>Persea gratissima</i>) \$2.00—10s; \$17.50—100s; \$150.00—1000s.				
BUTTERNUT, see <i>Juglans cinerea</i> on page 9.				
CHERRY, Mahaleb, washed .....	.20	1.50	12.50	110.00
" Mazzard, washed .....	.15	1.10	10.00	
CHESTNUT, see under <i>Castanea</i> on page 7.				
CITRUS TRIFOLIATA, Hardy Orange.....	.25	2.10	18.00	160.00
HAZELNUT, see <i>Corylus</i> on page 8.				
HICKORY, see under <i>Hicoria</i> on page 9.				
LEMON, see under <i>Citrus</i> on page 7.				
ORANGE, see under <i>Citrus</i> on page 7.				
PEACH, Chinese Wild.....	.15	1.20	11.00	
" Naturals, small seed .....	.15	.30	2.50	12.50
PEAR, Austrian Wild .....	.15	1.40	13.00	120.00
" French.....	.40	3.20	30.00	270.00
" German, from true Wild trees.....	.30	2.00	18.50	170.00
" Chinese, <i>Pyrus calleryana</i> , true.....	1.00	9.00	85.00	
" Japanese, <i>P. ussuriensis</i>.....	.85	7.50	70.00	
" Late Jap Pear, <i>P. serotina</i>.....	.80	7.00	65.00	
PECAN, see under <i>Hicoria pecan</i> on page 9.				
PERSIMMON, see under <i>Diospyros</i> on page 8.				
PLUM, American, <i>Prunus americana</i>.....	.15	1.40	12.50	
" Myrabolan, <i>P. myrabolana</i>.....	.15	1.20	9.00	80.00
" St. Julien .....	.15	1.00	8.00	
QUINCE, <i>Cydonia oblonga</i>.....	.45	4.00		
WALNUT, see under <i>Juglans</i> on page 9.				

Seeds of Palms, Tropical and Subtropical Plants

IMPORTANT: Palm seeds should be cared for by the planter as soon as possible after ripening and gathering, and as many kinds listed by us must be shipped to us over long distances, orders should be in our hands as early as possible to have best care.

	Seeds to the lb.	100s	1000s	oz.	lb.
<i>Adenanthera pavonina</i> , Red Sandalwood.....	1600	.....	.....	.40	3.20
<i>Archontophoenix alexandrae</i>	700	.45	4.00	.....	.....
" <i>elegans</i> , Queensland Seaforthia	900	.40	2.80	.....	.....
<i>Areca alba</i> , see <i>Dictyosperma</i>					
" <i>baueri</i>	100	3.00	24.00	.....	.....
" <i>catechu</i>	80	5.00	.....	.....	.....
" <i>lutescens</i> , see <i>Chrysalidocarpus</i>					
<i>Arenga saccharifera</i> , Sugar P.....	125	1.50	12.50	.....	.....
<i>Bauhinia</i> , see page 7					
<i>Brahea</i> , see <i>Washingtonia</i>					
<i>Caesalpinia</i> , see <i>Poinciana</i>					
<i>Calophyllum inophyllum</i> , Hawaiian Kamani.....	50	8.50	.....	.....	.....
<i>Carica papaya</i> , Papaya	12000	.....	.....	.65	5.50
<i>Carludovica palmata</i> , Panama Hat Palm.....	1000M	.40	3.20	.....	.....
<i>Caryota mitis</i> , Fishtail P.....	650	1.10	8.00	.....	.....
" <i>urens</i> , Toddy P.	260	1.10	8.00	.....	.....
<i>Cassia alata</i> , Apulco Ringworm C.....	16000	.....	.....	.90	.....
" <i>fistula</i> , Golden Shower	1400	.....	.....	.90	.....
" <i>glaucia</i> , Glossy Shower	26500	.....	.....	.90	.....
" <i>grandis</i> , Pink Shower	850	.....	.....	.90	.....
" <i>laevigata</i> , Smooth Senna	20000	.....	.....	.90	.....
" <i>nodosa</i> , Pink and White Shower.....	2400	.....	.....	.90	.....
" <i>siamea</i> , Siamese Shower	28000	.....	.....	.90	.....
<i>Casuarina</i> , see page 7					
<i>Ceiba pentandra</i> , <i>Ceiba</i> , Kapok Tree.....	6000	.40	3.00	.....	.....
<i>Chamaerops excelsa</i> , see <i>Trachycarpus</i>					
" <i>humilis</i> , Hair P.	200	1.20	8.00	.....	.....
<i>Chrysalidocarpus lutescens</i> , Yellow Areca.....	850	.70	6.00	.....	.....
<i>Cocos australis</i> , Pindo P.....	360	.75	6.50	.....	.....
" <i>campestris</i> , Field P.....	300	.70	5.50	.....	.....

OTTO KATZENSTEIN & CO., ATLANTA, GA., U. S. A.

COCOS—Cont'd.

	Seeds to the lb.	100s	1000s	oz.	lb.
" plumosa, San Diego P.	120	.75	6.00	.....	.....
" romanzoffiana, Romanzoff P.	90	.80	7.00	.....	.....
" weddelliana, Weddell P.	300	2.25	18.50	.....	.....
Cordyline australis, Green Broadleaf D.	95000	.....	.....	.50	4.50
" indivisa, Blue Narrowleaf Dracaena.	100000	.....	.....	.60	5.50
Cycas revoluta, Sago Palm.	25	3.00	24.00	.....	.....
Dictyosperma album, White Areca.	650	.70	5.60	.....	.....
Dracaena draco, Dragontree.	2000	.....	.....	.45	3.25
Elaeis guineensis, African Oil P.	70	2.00	15.00	.....	.....
Eriobotrya japonica, Loquat.	250	.....	.....	.30	2.50
Erythea armata, see Glaucothea					
" brandegeei, Brandegees P.	250	.90	7.00	.....	.....
" edulis, Guadalupe P.	50	1.60	12.00	.....	.....
Eucalyptus, see page 8					
Ficus elastica, India Rubber tree.	1000M	.40	2.50	.....	.....
Glaucothea armata.	200	1.20	9.00	.....	.....
Grevillea robusta, Silk Oak.	39000	.....	.....	1.00	9.00
Howea belmoreana, Belmore Kentia.	85	5.50	.....	.....	.....
" forsteriana, Forster Kentia.	140	4.50	.....	.....	.....
Jubaea spectabilis, Syrup P.	50	2.00	.....	.....	.....
Latania borbonica, see Livistona sinensis					
" loddigesi.	60	5.50	.....	.....	.....
Licuala grandis.	1200	2.40	.....	.....	.....
Livistona (Corypha) australis, Fan P.	200	1.10	8.00	.....	.....
" rotundifolia, Java Fan P.	320	2.50	17.50	.....	.....
" sinensis, Chinese Fan P.	400	.40	3.00	.....	.....
Macadamia ternifolia, Queensland Nut.	60	.....	.....	.30	2.80
Muntingia calabura, Jamaica-Cherry.	1000M	1.40	10.00	.....	.....
Ochroma lagopus, Balsa-wood.	1 fruit .30; 10 fruits	\$2.50			
Oreodoxa, see Roystonea					
Pandanus tectorius, Screw pine.	80	2.00	17.50	.....	.....
" utilis, Common S.	100	2.00	17.50	.....	.....
Phoenix canariensis, Canary Date P.	350	.30	1.80	.....	.....
" cycadifolia.	900	.65	5.60	.....	.....
" dactylifera, Date P.	550	.40	2.80	.....	.....
" farinifera.	500	.65	5.60	.....	.....
" glauca.	700	.60	5.00	.....	.....
" leonensis, Senegal Date P.	700	.50	3.50	.....	.....
" pumila, Dwarf D. Palm.	2000	.50	4.00	.....	.....
" reclinata, Senegal Date P.	700	.50	4.00	.....	.....
" roebelini, Roebelin Date P.	2200	.90	7.50	.....	.....
" rupicola, Cliff Date P.	1400	.75	6.00	.....	.....
" sylvestris, India Date P.	1250	.60	5.00	.....	.....
Psidium cattleianum, Red Strawberry Guava. ....		.....	.....	.90	7.00
Poinciana regia, Royal Poinciana.	1100	.....	.....	.30	2.80
" pulcherrima (Caesalpinia) Flower-fence.	3200	.55	4.20	.....	.....
Pritchardia filifera.	5000	.35	1.80	.....	.....
" pacifica (Corypha umbraculifera).	3000	1.00	8.00	.....	.....
Plumbago capensis. ....		.50	4.00	.....	.....
Ravenala madagascariensis, Traveler's P.	1400	3.00	22.50	.....	.....
Rhapis flabelliformis, Fern P.	4400	2.25	.....	.....	.....
Roystonea regia (Oreodoxa) Royal P.	1850	.45	3.50	.....	.....
Sabal blackburneana, Blackburn Palmetto.	1200	.90	7.00	.....	.....
" floribunda, Texas P.	800	.60	5.00	.....	.....
" palmetto, Carolina P.	1500	.60	5.00	.....	.....
Sebizolobium excelsum, Brazilian Shower.		1.40	.....	.....	.....
Seaforthia elegans.	600	.40	2.50	.....	.....
Spathodea campanulata, Fountain-tree.	111000	.....	.....	4.50	.....
Swietenia mahogani, True Mahogany.	2000	.....	.....	.70	6.00
Tecoma stans, Florida Trumpetbush.	96000	.....	.....	3.50	.....
Templetonia retusa, Melbourne Coralbusb.	8000	.90	.....	.....	.....
Thrinax altissima, Thatch Palm.	2000	.80	6.50	.....	.....
Trachycarpus excelsa, Windmill P.	1000	.40	3.20	.....	.....
Washingtonia filifera, Calif. Washingtonia.	4000	.....	.....	.30	2.00
" robusta, Mexican W.	3200	.....	.....	.30	2.20
" sonorae, Sonora W.	2000	.....	.....	.40	2.60

1000M—1 Million estimated

Ask for Special List of Seeds from the Philippine Islands.

WRITE US REGARDING OTHER KINDS OF PALM, ETC., SEEDS FOR WHICH YOU ARE IN THE MARKET, SO THAT WE MAY QUOTE PRICES.

LINING-OUT STOCK

S—seedlings. C—cuttings. B—budded. G—grafted. P—pot.
 BB—baled and burlaped. X—transplanted once. XX—twice.
 These plants are not grown by ourselves but are offered as brokers
 and are shipped from different nurseries.

CONIFERS		Size	10	100	1000
Abies balsamea, Balsam Fir	.....	4-8"	.75	4.50	32.00
" concolor, White Fir	.....	4-6" 3 yr	1.25	6.50	55.00
" fraseri, Fraser Fir	.....	9-12"	1.80	11.50	105.00
" nordmanniana, Nordmann Fir	.....	4-6"	1.50	9.00	80.00
" pectinata, European White Fir	.....	3-5"	1.40	7.50	65.00
" sibirica, Siberian Fir	.....	2 yr	.....	1.65	10.00
Cedrus atlantica, Atlas Cedar	.....	8-12" 2 yr	.85	5.50	35.00
" deodara, Deodar	.....	4-6"	.60	3.00	25.00
		8-12" 2 yr	.85	5.50	35.00
		6-10" X	1.35	8.00	.....
" libani, Lebanon Cedar	.....	8-12" 2 yr	.85	5.50	35.00
Chamaecyparis lawsoniana, Lawson Cypress	.....	5-6"	.....	1.65	10.00
		6-12"	.60	3.00	25.00
" " lutea, Golden Lawson C.	.....	6-8" 2 1/4 P	1.75	12.00	100.00
" obtusa, Kinoki Cypress	.....	4-8"	.50	2.60	20.00
" pisifera, Sawara Retinospora	.....	4-8"	.50	2.60	20.00
Cryptomeria japonica, Cryptomeria	.....	6-8"	1.75	12.00	.....
Cunninghamia lanceolata, Chinese Fir	.....	4-6" 2 yr	1.50	9.00	80.00
Cupressus arizonica, Arizona Cypress	.....	4-6"	.....	2.00	15.00
		6-10"	.60	3.00	25.00
" sempervirens, Italian Cypress	.....	4-6"	.40	2.25	16.50
Juniperus chinensis femina, Reeves					
Juniper	.....	6-8" 2 1/4" P	2.00	13.00	120.00
		8-10" X	1.60	11.00	95.00
" pfitzeriana, Pfitzer J.	.....	6-8" 2 1/4 P	1.40	9.50	82.50
		6-8" X	1.30	9.00	60.00
		9-12" XX	4.00	30.00	.....
" horizontalis douglasi, Waukegan J.	.....	4-6"	1.50	9.50	82.50
" hibernica, Irish J.	.....	6-12"	1.40	7.50	65.00
" scopulorum, Colorado J.	.....	12-18" X	3.00	25.00	.....
" virginiana, Redcedar	.....	8-15"	1.35	8.00	60.00
		8-12" X	1.35	8.00	.....
Larix europaea, European Larch	.....	8-12"	.75	4.50	32.00
Libocedrus decurrens, Incense-Cedar	.....	4-6"	1.35	8.00	.....
Picea canadensis (alba) White Spruce	.....	3-5"	.75	4.50	32.00
" albertiana, Black Hills Spruce	.....	3-5"	.75	4.50	32.00
" engelmanni, Engelmann Spruce	.....	4-8"	.90	5.50	40.00
" excelsa, Norway Spruce	.....	4-8"	.....	1.50	9.00
		6-10"	.40	2.25	16.50
		6-12" X	1.50	9.50	82.50
" excelsa borealis, Polar Norway Sp'ce	.....	4-8"	1.40	7.50	65.00
Picea mariana (nigra) Black Spruce	.....	5-8"	.90	5.75	40.00
" pungens (glauca) Colorado Blue S.	.....	4-8"	1.00	6.00	50.00
Pinus montana mughus, Dwarf Mugho					
Pine	.....	4-6" 2 yr	.40	2.25	16.50
" nigra (laricio austriaca) Austrian P.	.....	4-8"	.60	3.00	25.00
" ponderosa, Western Yellow P.	.....	4-8"	.....	1.65	10.00
" resinosa, Norway P.	.....	4-8"	.75	4.50	32.00
" sylvestris, Scotch P.	.....	8-12"	.40	2.25	16.50
		12-18" XX	2.10	15.00	.....
Podocarpus macrophylla, Yew Podocarpus	.....	4-6"	1.75	12.00	.....
Pseudotsuga douglasi, Douglas Fir	.....	4-8"	.75	4.50	32.00
Taxus cuspidata, Japanese Yew	.....	6-8" 2 yr	1.35	8.00	70.00
Thuja occidentalis, American Arborvitae	.....	4-8"	.....	1.65	10.00
		8-12"	.40	2.25	16.50
" orientalis, Oriental Av	.....	4-6"	.....	1.50	9.00
		6-8"	.40	2.25	16.50
		24-30" X	2.25	16.50	.....
" " aurea conspicua, Goldspire	.....	2-4" run	.60	3.00	25.00
		2-4" 100% true	.75	4.50	32.00
		8-12" X	2.25	16.50	.....
" " aurea nana, Berckmans G. Av.	.....	5-6" X	2.25	16.50	.....
" " bonita, Bonita O. Av.	.....	6-8" X	3.50	25.00	.....
" " compacta, Compact O. Av.	.....	8-12" X	2.25	16.50	.....
		12-18" X	4.00	30.00	.....
" " " aurea, Compact Golden Av.	.....	4-6" X	2.25	16.50	.....
" " pyramidalis, Pyramidal O. Av.	.....	12-15" X	1.25	7.50	.....
" " Rosedale, Rosedale O. Av.	.....	6-8" X	1.25	7.50	.....
Tsuga canadensis, Canada Hemlock	.....	6-12" X	2.40	17.00	.....
" caroliniana, Carolina H.	.....	6-12" X	4.50	34.00	.....
F. O. B. Grower's Points. Packing at cost, 5, 40, 400 at 10, 100 and 1000 prices. Special quotations on larger quantities, and also on any other kinds and sizes.					

TREES AND SHRUBS

	Size	10	100	1000
Abelia grandiflora, Glossy Abelia.....	6-12"	.75	4.50	32.00
	12-15"	.90	5.50	40.00
	24-30" X	4.00	30.00	.....
Acer palmatum, Japanese Maple.....	6-12" 2 yr	.90	5.50	40.00
	grafting size.....	8-10" X	1.40	8.50
" atropurpureum, Bloodleaf Maple.....	8-12" X	5.50	45.00	.....
Aesculus octandra, Yellow Buckeye.....	9-15"	1.25	6.50	.....
Aucuba japonica aureo-maculata				
Gold-dust A.	8-12" 3" P	1.70	11.00	95.00
Azalea amoena, Amoena A.	2" P	1.50	9.50	82.50
" hinodegiri, Hinodegiri A.	2" P	1.60	10.00	90.00
" hinomayo, Hinomayo A. about evgn.....	2" P	1.75	12.00	.....
" kurume Flame, brilliant red Kurume 2" P		1.75	12.00	.....
" thoukhanensis, Korean A.	8" B&B	6.00	48.00	.....
Berberis chemaulti, evergreen	3" P	5.00	42.00	.....
" darwini, Darwin evgn. B.	6-8" 2 1/4 P	1.50	9.50	80.00
" julianae, Wintergreen B.	2 yr X	2.25	17.50	.....
" thunbergi atropurpurea, Redleaf B.	6-8"	.80	5.00	.....
" tricanthophora, Threespine evgn B. 2 yr X		2.00	14.00	.....
" verruculosa, Warty B. for rock gdns. 2" P		1.80	11.50	.....
Buxus sempervirens, Common Box.....	4-6"	.90	5.50	40.00
	4-6" X	1.40	8.50	65.00
" suffruticosa, Truedwarf Box	4-6"	1.25	7.50	60.00
	4-6" X	2.25	16.00	140.00
Camellia japonica, Red flow. Camellia.....	3-6"	1.50	9.00	70.00
" japonica double dark or light				
pink	6-8" 2 1/2" P	2.00	14.00	125.00
Cornus florida, White flow, Dogw'd	12-15" 2 yr	.60	3.00	25.00
" florida rubra, Red flow. D.	8-10" gr	2.50	22.50	.....
Cotoneaster francheti, Franchet Cotone'ter 1 yr		1.35	8.00	60.00
Cydonia japonica, Flowering Quince.....	6-8"	.85	5.00	.....
Elaeagnus pungens, Thorny E.	6-12" 2 yr	.50	2.60	20.00
" simoni, Simon E.	4-6" 2 1/2" P	1.80	12.50	.....
Gardenia florida, Cape-Jasmine	6-8"	1.35	8.00	.....
Ilex aquifolium, English Holly.....	6-8"	1.60	12.00	.....
" cornuta, Chinese H.	2 yr X	5.00	40.00	.....
" integra, Japanese H.	2 yr X	5.00	40.00	.....
Kolkwitzia amabilis	2-3"	3.00	25.00	.....
Laburnum vulgare, Goldenchain	18-24" X	3.00	25.00	.....
Lagerstroemia indica, Crepemyrtle	6-12"	1.40	8.50	65.00
Laurocerasus caroliniana, Cherry-Laurel.....	6-12"	.50	2.60	20.00
	12-18" X	1.25	7.50	.....
Ligustrum amurense South, Amur Privet.....	9-12"	.50	1.65	10.00
" ionandrum, from China	2" P	1.60	10.00	.....
" japonicum, Japanese P.	10-15" 2 yr	.50	2.60	20.00
" lucidum, Glossy P.	6-12"	.50	2.60	20.00
" nepalense, Nepal P.	6-12"	.90	2.60	20.00
	12-18 3 yr	.80	5.00	40.00
Magnolia grandiflora, Southern Magnolia.....	4-6"	.90	5.50	40.00
Mahonia equifolium, Oregon Grape.....	4-6"	1.60	10.00	.....
Nandina domestica	3-6"	.60	3.50	30.00
	4-6" X	1.75	12.00	.....
	6-8" X	2.40	18.00	.....
Pachysandra terminalis, Japanese P.	2" P	1.60	10.00	.....
Photinia serrulata, Low Photinia.....	3-6"	.50	2.60	20.00
	4-6" X	1.60	10.00	95.00
	8-10" 2 yr X	2.40	18.00	.....
Pittosporum tobira, Tobira	6-8"	.60	3.50	30.00
	8-10" 2 1/4 X	1.75	12.00	.....
Pyracantha lalandi, Laland Firethorn.....	2" P	1.75	12.00	.....
Quercus acuta, Japanese Evgn. Oak.....	8-12"	1.00	6.00	.....
Rosa multiflora for stocks—				
quantity prices	4-6mm	.40	2.20	16.00
Rosmarinus officinalis, Rosemary	2" P	1.50	9.50	80.00
Thea bohea, Bohea Tea.....	6-8"	1.00	6.00	.....
Ulmus pumila, Chinese Elm.....	6-12"	.40	2.20	16.00
	12-18"	.60	3.50	30.00

F. O. B. Grower's Point

Packing at cost 5, 40 and 400 at 10, and 1000 prices.

WRITE ABOUT OTHER SIZES AND OTHER KINDS

Woodsgrown Trees and Shrubs

We have for many years supplied woodsgrown trees and shrubs in very considerable quantities. This material is splendid value and is suitable for growing on or for landscape effects.

	Size Feet	Per 100	Per 1,000
Aronia arbutifolia, Red Chokeberry.....	1-3	5.50	42.50
Azalea nudiflora, Pinxterbloom.....	1/2-1 1/2	5.50	45.00
" viscosa, Swamp Azalea.....	1/2-1 1/2	6.00	48.00
Clethra alnifolia, Summersweet.....	1-2	4.50	38.00
Cornus florida, White Fl. Dogwood.....	1/2-1	4.50	38.00
Corylla racemiflora, Swamp Ironwood.....	1/2-1	5.50	45.00
Fothergilla alnifolia, Fothergilla.....	1/2-1	6.00	52.00
Ilex glabra, Inkberry.....	1/2-1	4.80	41.00
" opaca, American Holly.....	1-2	6.00	48.00
" opaca.....	1/2-1	5.00	42.00
" verticillata, Common Winterberry.....	1-3	4.80	41.00
" vomitoria, Yawpon.....	1-2	6.00	50.00
Leucothoe catesbaei, Drooping Laurel.....	1-3	4.50	38.00
Liquidambar styraciflua, Sweetgum.....	1-3	4.50	38.00
Liriodendron tulipifera, Tuliptree.....	1/2-3	4.80	41.00
Magnolia glauca, Sweetbay.....	4-8 in.	6.00	50.00
" glauca, Sweetbay.....	8-18 in.	6.50	55.00
Oxydendrum arboreum, Sourwood.....	6-12 in.	4.50	38.00
Pieris lucida, Fetterbush.....	1-2	4.50	36.00
Robinia hispida, Rose-Acacia.....	1-3	4.20	35.00
Smilax laurifolia, Laurel Greenbriar.....	1-2	4.20	35.00
Stewartia pentagyna, Mountain-Ash.....	1-2	9.50	82.50
Viburnum cassinoides, Witherod.....	1/2-2	4.20	35.00
" nudum, Smooth Witherod.....	1/2-2	4.20	35.00
Vinca minor, Periwinkle.....	8-12 stems	3.50	26.00
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A " Giant-flowered tall mixt.....	.70	1.80	5.50	19.00
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P " Longspurred vars O. K. mixture.....	1.00	3.00	9.00	32.00
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A " Giant Comet, mixed.....	.65	1.70	4.60	17.00
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A " good mixture.....	.15	.20	.55	1.80

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P Carnation, Margaret double flower mixed35	1.00	2.60	10.00
P " Giant Margaret mixture.....	.90	3.00	8.50	28.00
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(Continued on Next Page)

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(Panax quinquefolium)						
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Lobelia cardinalis	---	----	----	----	3.00	26.00
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" inflata	---	----	----	----	.35	3.00
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Hepatica triloba, Roundlobe Hepatica	1.00	3.00	18.00

	10 Roots	100 Roots	1,000 Roots
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Panax quinquefolium, Ginseng (see page 20).....	1.00	4.00	22.00
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SUNDRIES

Sundries are sold at such close margins that we must insist on settlement within ten days from date of invoice and without any discounts.

Granulated Peat Moss

Complying with many requests we have arranged for regular supply of the best Boskoop brand, and we ship from New York, Philadelphia, Boston, Baltimore, New Orleans and at slightly increased prices also from Chicago, Detroit, Cleveland, Ohio.

	Per Bale		Per Bale
1 to 9 bales.....	at \$2.50	25 to 49 bales.....	at \$2.30
10 to 24 bales.....	at \$2.40	50 and more bales.....	at \$2.20

SUMMER CARBO-SPRAY

Keeps growing plants healthy and clean during the growing period. It controls Scales, Aphis, European Red Spider, Rust Mite, Euonymus and Juniper Scale, etc. Circular. 1 gallon to 250 gallons of water.

½ gallon tin.....	\$3.50	5 gallon drum.....	\$27.50
1 gallon tin.....	6.00	10 gallon drum.....	50.00

(F. O. B. New York)

PATENT WATERPROOF WIRELESS TREE LABELS

A very popular, handy label, particularly useful in shipping. They come in cartons of 1,000. 3 lbs. per 1,000 mailing weight.

1,000	5,000	10,000	50,000	
\$1.00	\$4.60	\$8.50	\$37.50	f. o. b. Ohio

For printing your address or anything else add for 1 line 40c per 1,000; 60c for 2 lines, and 80c for 3 lines; double if printed on both sides; 10 labels to the sheet. Samples on request. Prompt deliveries.

SEMESAN

SEMESAN acts as an antiseptic that either kills or retards the development of disease-producing bacteria and fungi which subsists on seeds and plants. Semesan will be found very useful in controlling damping off.

Sold in tin containers, 2 oz., \$.50; 1 lb., \$2.75; 5 lb., \$13.00; 25 lb., \$62.50 and transportation charges. Booklets on request.

UTILEX PUMP is the handiest little pump to apply Semesan properly and it is good for endless other uses, \$1.25 each. 2 lbs. mailing weight. Ask for circulars.

NEPONSET WATERPROOF PAPER POTS

are a great and almost indispensable help to the grower. We supply them f. o. b. East Walpole, Mass. Write for complete price list and other information.

